# SPE NEWS BULLETIN

Issued Monthly to all Members of the Society of Plastics Engineers

Vol. 2 No. 3 March, 1946


## S. P. E. EXHIBIT DREW FOREIGN ENGINEERS

### 38% of Attendance Was Executives, Engineers

Of the total registration at the S.P.E. Exhibit, 38.4% of the total attendance was comprised of engineers and executives of manufacturing concerns. Nearly half of this 38.4% came from other cities other than Detroit.

Approximately 148 of those attending were from foreign countries. The majority were, of course, from Canada, but it is interesting to note that we had in attendance an engineer from the India Supply Mission, a director of a manufacturing concern in Calcutta, India, several members of the Soviet Purchasing Commission (all engineers), two engineer officers of the Chinese Air Force, a director of a manufacturing concern in China, the managing director of the Aston Electrical Products, Ltd. of Australia, and an engineer from Curutchet, Olivera and Giraldez of Argentina. In addition to these distinguished foreigners we had executives and engineers from the West Coast, Denver, Colorado, New Orleans, and other distant points.

## NATIONAL S.P.E. OFFICERS

First Row: T. E. Orr, Sec'y; G. W. Clark, President; H. J. McGowan, Vice President; J. O. Rienecke, Treasurer. Back Row: R. B. Bower, Indianapolis; W. C. Goggin, Detroit; P. R. Marvin, Milwaukee; J. H. DuBois, Newark; T. E. Richards, Chicago; B. C. Stupp, Miami Valley, National Councilmen. Mr. H. C. Josephson of St. Louis was not present when the picture was taken.

Photo Courtesy of Modern Plastics Magazine.

## Section Editors To Be Appointed For N-B To Insure News Coverage

The National Council has approved the appointment by each Section of a Section editor for the News-Bulletin, who will be responsible for the sending of news to the Bulletin. The Section Editors will be members of the National Publications Committee. With this step forward in organization, the Bulletin should be carrying with the next issue, news of every Section, instead of just a few of them as in this issue. What **your** Section is doing is news, and of interest. If your Section is not get-

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## Glenn L. Martin to Enter Materials Field

The Glenn L. Martin Company will shortly start construction of a $1,500,000 plant for the manufacture of Marvinol resin elastic plastic. The new plant, which will be in production by next fall, ultimately will have an annual capacity of about 11 million pounds of Marvinol type polyvinyl resins, from which a wide assortment of end-products will be made by manufacturers. The new plant will be operated by the Plastics and Chemicals Divisions of the company.

Mr. Martin made it plain that the new plant would manufacture only the raw materials. The plastic is suitable for such items as wire insula-

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## MEMBER REPORTS ON KILGORE-MAGNUSON BILL

To the Editor of
SPE News-Bulletin

Dear Sir: A Federal legislative situation has developed in Washington which should be brought to the attention of our members as it concerns engineers and technical men in all fields. I refer to the Kilgore Bill (S-1297) and the Magnuson Bill (S-1285).

According to information from the legislative committee of the Engineering Society of Detroit, the Kilgore Bill proposes a National Science Foundation to give government financial aid to organizations or institu-

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# SPE NEWS BULLETIN

Vol. 2 Number 3

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Under the Direction of Thomas E. Orr, National Secretary and Chairman Nat'l Publications Committee

8506 Lake Ave. Cleveland 2, Ohio

JESSE DAY, Editor
Case School of Applied Science
Cleveland 6, Ohio


## Section Editors

(Continued from Page 1)

ting the recognition it deserves, remind your Section editor. News should be sent to Jesse H. Day, Case School of Applied Science, Cleveland 6, Ohio, before the 5th of each month.

## NEWS FROM DETROIT

**By Fred Conley**

The Detroit Section of the Society of Plastics Engineers, Inc. had a joint meeting with the Detroit Rubber and Plastics Group in the Jade room of the Detroit Leland Hotel on March 15, 1946; Dinner was at 6:30 p. m. and the meeting at 8 p. m.

**Jay Southwell**

Dick Walsh, Program Chairman for S. P. E. Detroit Section secured Jay Southwell, Technical Representative of the Bakelite Corp. Detroit Office to speak on the subject of "Vinyl Elastomers."

Vinyl elastomers are widely used as flexible molding and extrusion compounds, flexible sheeting and film as well as for protective coatings for cloth, automotive upholstering materials, paper and many other uses.

The history of Vinyl Resins dates back to 1838 with certain observa-

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## CLEVELAND NEWS

**By W. P. Rupprecht**

A double treat was served members and guests of the Cleveland Section Society of Plastics Engineers at the February meeting. Dr. Charles A. Marlies, Director of Research and Development, Metaplast Company, New York City addressed the assembly at Cleveland Club on February 22. Dr. Marlies holds a Doctor of Science degree conferred by Columbia University. His subject was "Plating on Plastics — Methods and Applications."

His remarks indicated a wide knowledge and vast experience gained in extended research work. Numerous methods of applying metal coats on plastics exist. Mechanical means of applying films, foils or sheets are the most common. Metal spraying, vacuum deposition of gas atoms or ions, conductive organic coatings and plating were all discussed. Dr. Marlies pointed out the advantages and shortcomings of each method. The speaker stressed failure of plating which is generally due to an incorrect choice of plastics with a coefficient of expansion varying too greatly from that of the metal coat. The expansion of the plastics streches the metal part beyond its elastic limit and a blister in the metal plating results, upon contraction of the plastics. Very rarely splitting of the metal coat occurs, Dr. Marlies stated. Successful plating depends on design of the plastics parts. Large flat areas and sharp edges should be avoided; ragged or "zig-zag" roughening techniques are required for good bonding. Recesses are difficult to plate. It was pointed out that molds must be highly polished. The average smooth plastics molded item will appear "pitted" when plated, owing to the high reflectivity of the metal coat.

A welcome diversion from the strain of daily technical occupation was afforded by the coffee speaker. Ward T. Van Orman, internationally known balloonist and member of the Research Department, Goodyear Tire and Rubber Company, recounted several of his experiences in National and International balloon races. Winner of three International and five National races, Van Orman won the James Gordon Bennett cup in 1926. He told of making the first balloon landing on a ship at sea and of being lost for ten days in the Timagami National Forest of Canada.

## PERSONALS

John Mickey, member of the Detroit Section S.P.E. is expecting a visit from the well-known stork within the very near future.

George F. Neuman, member of the Detroit Section S.P.E. is also expecting a blessed event almost any day now.

## SECTION OFFICERS AND COMMITTEEMEN ANNOUNCED FOR 1946

### Buffalo Section

President: Cort F. Cary, Spaulding Fibre Co., 97 Bryant St., Tonawanda, N. Y.

Vice-President: Alan A. Sims, Norton Laboratories, Lockport, N. Y.

Secretary: P. K. Porter, Cornell Aeronautical Lab., Genesee St., Buffalo 5, N. Y.

Treasurer: John E. Miner, 78 Crosby Ave., Kenmore 17, N. Y.

Directors: Edward F. Borro, Durez Plastics & Chemicals Corp., North Tonawanda, N. Y.; Carroll A. Brinkert, Rudolph Wurlitzer Co., 132 Burroughs Dr., Snyder, N. Y.; John E. Miner, 78 Crosby Ave., Kenmore 17, N. Y.; C. C. Pickering, Durite Plastics, Inc., 67 Lexington, Buffalo 9, N. Y.; P. K. Porter, Cornell Aeronautical Lab., Cenesse St., Buffalo 5, N. Y.; N. E. Wahl, Cornell Aeronautical Lab., 2 School St., Gardenville, N. Y.; Cort F. Cary, Spaulding Fibre Co., 97 Bryant St., Tonawanda, N. Y.; Alan A. Sims, Norton Laboratories, Lockport, N. Y., and R. F. Potter, Potter & Dugan, 29 Wilkeson, Buffalo 2, N. Y.

### Central Ohio Section

President, C. A. Ebner, Yardley Plastics, 142 S. Parsons, Columbus 15, Ohio.

Vice-President, J. W. Knight, Fabri-Form Co., Byesville, Ohio.

Secretary, R. D. Beck, 710 Clark Street, Cambridge, Ohio.

Treasurer, M. W. Burkhardt, Newark Plastics Engineering Co., 134 W. Locust Street, Newark, Ohio.

Directors—M. W. Burkhardt, Newark Plastics Engineering Co., 134 W. Locust St., Newark, Ohio (3). R. D. Beck, 710 Clark St., Cambridge, Ohio (3). B. W. Hivley, Room 3760, A.I.U. Building, 50 West Broad St., Columbus, Ohio (3). C. A. Ebner, Yardley Plastics, 138 S. Parsons, Columbus 15 (2). J. W. Knight, Fabri-Form Co., Byesville, Ohio (2). R. M. Reel, 125 W. Church St., Newark, Ohio (1). G. N. Edwards, Ohio Plastic Co., Frazeysburg, Ohio (1). G. W. Keny, Columbus Plastics, Inc., 519 Dublin Ave., Columbus 15, Ohio (1).

Advisory Board — J. W. Knight, Fabri-Form Co., Byesville, Ohio. M. G. Sherwood, Continental Can Co., Inc., Cambridge, Ohio.

Membership Committee — J. W. Knight (Chairman) Fabri-Form Co., Byesville, Ohio. R. W. Zaring, Continental Can Co., Cambridge, Ohio. R. W. Rosel, Yardley Plastics, 138 So. Parsons, Columbus 15, Ohio.

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## Section Officers

(Continued from Page 2)

Church St., Newark, O. John Henry, Continental Can Co., Cambrigde, O.

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House Committee—M. E. Mouser (Chairman) Owens-Corning Fiberglas Co., Newark, Ohio; R. W. Rosel, Yardley Plastics, 138 Parsons St., Columbus 15, Ohio; James Hoag, 183 Second St., Byesville, Ohio; G. N. Edwards, Ohio Plastics Co., Frazeysburg, Ohio.

Auditing Committee—W. E. Jacobson (Chairman) Yardley Plastics Co., 138 Parsons Ave., Columbus 15, Ohio; R. E. Manley, Continental Can Co., Cambridge, Ohio; L. M. Durrett, Columbus Plastics, Inc., 519 Dublin Ave., Columbus 15, Ohio.

### Chicago Section

President: J. O. Reinecke, Barnes & Reinecke, 230 E. Ohio St., Chicago 11, Illinois.

Vice-President: E. E. Woodman, Durez Plastics & Chemical, Inc., 221 N. LaSalle St., Chicago 1, Illinois.

Secretary-Treasurer: Warren F. Cooper, Jr., Room 1564, 228 N. LaSalle St., Chicago 1, Illinois.

Directors: J. O. Reinecke, Barnes & Reinecke, 230 E. Ohio St., Chicago 11, Illinois; E. E. Woodman, Durez Plastics & Chemical, Inc., 221 N. LaSalle, Chicago 1, Illinois; Warren F. Cooper, Jr., Room 1564, 228 N. LaSalle St., Chicago 1, Illinois; R. C. Bauspies, Midwest Molding & Mfg. Co., 319 N. Whipple St., Chicago 12, Illinois; W. L. Hess, Midwest Plastics Products Co., 29th & Butler St., Chicago Heights, Illinois; L. H. Amrine, Imperial Molded Products Co., 2925 W. Harrison, Chicago, Illinois; A. H. Voss, Western Electric Co., S. Cicero & W. Cermak Rd., Chicago 23, Illinois, and R. M. Alden, Glove Imperial Corporation, 2025 Kishwaukee, Rockford, Illinois.

Advisory Board: Dr. Herbert A. Winkelmann, Dryden Rubber Co., 1014 S. Kildare Ave., Chicago 24, Illinois, and Leclare H. Amrine, Imperial Molded Products, 2925 W. Harrison St., Chicago, Illinois.

Membership Committee: A. F. Lovgren, Industrial Molded Products, 2035 Charleston Ave., Chicago 47, Illinois.

Publicity Committee: James Boyajian, 3709 W. Armitage Ave., Chicago 47, Illinois.

Program Committee: C. C. Henry, Chicago Die & Mold Corp., 4001 W. Wrightwood, Chicago 30, Illinois.

Credentials Committee: R. C. Bauspies, Midwest Molding & Mfg. Co., 319 N. Whipple St., Chicago 12, Illinois.

Auditing Committee: C. F. Mangin, Cinch Mfg. Co., 2043 Carroll Ave., Chicago, Illinois.

### Cleveland Section

President: Warren V. Prince, Prince Industrial Plastics, 7400 Stanton Rd., Cleveland 4, Ohio.

Vice-President: Paul L. Reed, Industrial Plastics Magazine, 2460 Fairmount Bldg., Cleveland 6, Ohio.

Secretary: Francis C. Hays, Chemical Rubber Co., 2310 Superior Ave., Cleveland 14, Ohio.

Treasurer: Phil Britton, Carter Products Corp., 6921 Carnegie Ave., Cleveland 3, Ohio.

Publicity Committee: Steve Hiltebrant, General Industries Co., Elyria, Ohio.

Assistant: W. P. Rupprecht, Industrial Plastics, 2460 Fairmount Blvd., Cleveland 6, Ohio.

Program Committee: Paul L. Reed, Industrial Plastics Magazine, 2460 Fairmount Blvd., Cleveland 6, Ohio.

Technical Committee: Hugh Winn, Case School of Applied Science, 10900 Euclid Ave., Cleveland 6, Ohio.

House Committee: Chas. R. Terry, Hydraulic Press Mfg. Co., 717 Hanna Bldg., Cleveland 15, Ohio.

Section Editor, News-Bulletin: Homer Lansdowne, Chemaco Corp., 515 S. Welland Blvd., Cleveland 15, Ohio.

Membership Committee: Paul Reed, Industrial Plastics Magazine, 2460 Fairmount Blvd., Cleveland 6, Ohio.

### Detroit Section

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Vice-President: T. Walter Noble, Fabricon Products, Inc., 1721 Pleasant Ave., River Rouge 18, Michigan.

Secretary: Karl W. Kithil, Celanese Plastics Corp., 610 Stephenson Bldg., Detroit 2, Michigan.

Treasurer: D. F. Hoffman, Evans-Winter-Hebb, Inc., 818 W. Hancock Ave., Detroit 1, Michigan.

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## PLASTICS PARADE

**Miss Frances Bach shows what can be done with Plastics. The handbag, the luggage, the shoes are plastic—the coat and hat are plastic treated. Oh, yes—the stockings are Nylon.**

## Section Officers

(Continued from Page 3)

Indianapolis 44, Indiana; G. K. Braughton, 110 East 9th St., Indianapolis 2, Indiana; Wm. S. Aspinwall, 6265 North Chester Drive, Indianapolis, Indiana; R. W. Hull, Rex Manufacturing Co., Connersville, Indiana; R. B. Waddington, 1801 English Ave., Indianapolis, Indiana.

Representatives on Advisory Board — Dale Amos, Amos Molded Plastics, Edinburg, Indiana; L. C. Hinds, 110 East 9th St., Indianapolis 2, Indiana.

Program Committee— A. J. Queisser, 110 East 9th St., Indianapolis 2, Indiana.

House Committee— A. J. Queisser, 110 East 9th St., Indianapolis 2, Indiana.

### Miami Valley Section

President: D. L. Meeker, Standard Mold Corp., 460 Bacon St., P. O. Box 1020, Dayton, Ohio.

Vice-President: G. J. Waite, Standard Mold Corp., 460 Bacon St., P. O. Box 1020, Dayton, Ohio.

Secretary-Treasurer: G. J. Wilson, National Cash Register Co., Main and K. Sts., Dayton 9, Ohio.

Directors: B. C. Stupp, Delco Products Division, 329 E. 1st, Dayton 1, Ohio (3); M. V. Kemper, Improved Paper Machinery Company, 2727 Inland Ave., Dayton 1, Ohio (3); C. J. Wilson, National Cash Register Co., Main and K Sts., Dayton 9, Ohio (3); R. G. Chollar, National Cash Register Co., Main and K Sts., Dayton 9, Ohio (2); G. F. Waite, Standard Molding Corp., 460 Bacon St., Dayton 1, Ohio (2); H. J. Kasch, Kurz-Kasch, 1421 So. Broadway, Dayton 1, Ohio (2); R. G. Fordyce, Monsanto Chemicals, Nicholas Rd., Dayton 7, Ohio (1); D. L. Meeker, Standard Mold Corp., 460 Bacon St., Dayton, Ohio (1); G. W. Carpenter, Tennessee-Eastman Corp., 305 Third National Bank Bldg., Dayton 2, Ohio (1).

Credentials Committee—No chairman. The Board of Directors serves as the Credentials Committee.

Membership Committee—J. G. Braden, Celanese Company, Dayton, O.

Program Committee—G. J. Waite, Standard Molding Corp., Dayton, O.

Auditing Committee — W. F. Oelman, Standard Molding Corp., Dayton, O.

Publicity Committee—J. G. Braden, Celanese Company, Dayton, O.

Technical Activities Committee—G. J. Wilson, 430 Forrer Blvd., Dayton, Ohio.

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President: S. P. Walsh, 411 E. Mason, Milwaukee, Wis.

Vice-President: Dr. Harry F. Peck, 3056 W. Meinecke Ave., Milwaukee, Wis.

Secretary-Treasurer: Charles Preston, 5150 N. 32nd St., Milwaukee 9, Wis.

Directors: S. P. Walsh, 411 East Mason St., Milwaukee 2, Wis.; Dr. Harry Peck, 3056 W. Meinecke Ave., Milwaukee, Wis.; Charles Preston, 5150 N. 32nd St., Milwaukee, Wis.; A. D. Foote, 2374 S. 65th St., West Allis 14, Wis.; Henry Marshal, Cutler Hammer, Inc., 315 North 15th St., Milwaukee 1, Wis.; Walter Strutz, 1225 N. Water St., Milwaukee 2, Wis.; P. R. Marvin, 606 E. Wisconsin Ave., Milwaukee 2, Wis.; Dr. Howard Gerhart, Pittsburgh Plate Glass Co., 235 E. Pittsburgh, Milwaukee, Wis., and Jim Nash, 4412 North Woodruff Ave., Milwaukee, Wis.
Milwaukee, Wis.; George Kroening, 312 E. Wisconsin Ave., Milwaukee 2, Wis.

Advisory Board: S. P. Walsh, Jr., Formica Insulation Co., 411 E. Mason St., Milwaukee 2, Wis., and Charles Preston, Eclipse Moulded Products Co., 5150 N. 32nd, Milwaukee, Wis.

Program Committee: Philip R. Marvin (Chairman) 606 E. Wisconsin Ave., Milwaukee 2, Wis.; Walter Strutz, 1225 North Water St., Milwaukee 2, Wis.; George Kroening, 312 E. Wisconsin Ave., Milwaukee 2, Wis.

Credentials Committee: Dr. Harry Peck (Chairman), 3056 W. Meinecke Ave., Milwaukee, Wis., and Dr. Howard Gerhart, Pittsburgh Plate Glass Co., 235 E. Pittsburgh, Milwaukee, Wis.

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Advisory Board: Arthur J. Warner, High Acres, Grand View Ave., North Caldwell, N. J.; Henry Harding, Chemaco Corp., Berkeley Heights, N. J.

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Publicity Committee: Paul Pincher, Plastics World, 551 Fifth Ave., New York, N. Y.

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Education Committee: Carl Frosh, Bell Telephone Labs., Murray Hill, N. J.

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Vice-President: F. Wachter, National Erie Corp., Erie, Pa.

Secretary: Paul C. Roche, c/o Nosco Plastics, Box 269, Erie, Pa.

Treasurer: K. A. Rouzer, Presque Isle Plastics, 2730 W. 12th St., Erie, Pa.

Directors: W. O. Bretschneider, Erie Resistor Co., 530 W. 12th St., Erie, Pa.; Paul C. Roche, Nosco Plastics, Box 269, Erie, Pa.; S. J. Myers, Warren Plastics Corp., Warren, Pa.; E. H. Roberts, General Electric Co., 2901 E. Lake Rd., Erie, Pa.; J. J. Williams, Talon, Inc., 626 Arch St., Meadville, Pa.; F. Watcher, National Erie, Erie, Pa.; K. A. Rouzer, Presque Isle Plastics, 2730 W. 12th St., Erie, Pa.; O. V. Johnson Die & Tool Co., 1008 Shenk Ave., Erie, Pa., and J. P. Murphy, Erie Resistor Corp., 530 W. 12th St., Erie, Pa.

Membership Committee: Fred Wachter, National Erie Corp., Erie, Pa.

Publicity Committee: Paul C. Roche, Nosco Plastics, Box 269, Erie, Pa.

Program Committee: John R. Schumacher, Bliley Electric Corp., Union Station Bldg., Erie, Pa.

House Committee: K. A. Rouzer, Presque Isle Plastics, 2730 W. 12th St., Erie, Pa.

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Election Inspectors Committee: Harold S. Cloyd, Nosco Plastics, 1617 Cascades, Erie, Pa.

### Philadelphia Section

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Vice-President: R. V. Beshgetoor, Radio Corp., of America, 3 Oak Terrace, Merchantville, N. J.

Secretary: George Elmendorf, General Electric Co., 5951 Trinity Place, Philadelphia 43, Pa.

Treasurer: Richard L. Foote, Synthane Corporation, Moylan, Pa.

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## Section Officers

(Continued from Page 4)

Swarthmore, Pa.; Richard F. Warren, Allied Chemical & Die Co., 340 Windsor Ave., Stratford, Conn.; Richard B. Bishop, Socony Vacuum Oil Co., 128 Westmount Ave., Haddonfield, N. J.; R. V. Beshgetoor, Radio Corp. of America, 3 Oak Terrace, Merchantville, N. J.; George Elmendorf, General Electric Co., 5951 Trinity Place, Philadelphia 43, Pa., and Richard L. Foote, Synthane Corporation, Moylan, Pa.

Advisory Board: R. V. Beshgetoor, Radio Corp. of America, 3 Oak Terrace, Merchantville, N. J., and Richard F. Warren, Allied Chemical & Die Co., 340 Windsor Ave., Stratford, Conn.

Membership Committee: Palmar Skoglund, Chicago Molded Products Co., 3 Swarthmore Place, Swarthmore, Pa.

Publicity Committee: Irvin E. Spirer, Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.

Program Committee: Meyer Sperber, M. Sperber & Sons, 124 N. 15th St., Philadelphia 2, Pa.

Credentials Committee: Richard L. Foote, Synthane Corp., Moylan, Pa.

Election Committee: William I. Denton, Socony Vacuum Oil Co., 229 S. Warren St., Woodbury, N. J.

Library Committee: Meyer Sperber, M. Sperber & Sons, 124 N. 15th St., Philadelphia 2, Pa.

### St. Louis Section

President: A. C. Werner, Chicago Molded Products Co., 3650 Dover Place, St. Louis, Mo.

Vice-President: George R. Krieger, Spaulding Fibre Co., 3908 Olive St., St. Louis, Mo.

Secretary-Treasurer: A. W. Brust, Washington University, Box 83, Skinker & Lindell Blvd., St. Louis 5, Mo.

Directors: A. W. Brust, Washington University, Box 83, Skinker & Lindell Blvds., St. Louis 5, Mo.; A. J. Gerber, Gerber Plastic Co., 3625 Locust St., St. Louis, Mo.; J. M. Feehan, J. M. Feehan Co., 132 W. Big Bend Rd., St. Louis Mo.; E. C. Koegel, Edwin F. Guth Co., 2615 Washington Ave., St. Louis, Mo.; C. R. Krieger, Spaulding Fibre Co., 3908 Olive St., St. Louis, Mo.; Roger Shirtum, Pasteuray Co., 2665 Washington St., St. Louis, Mo.; A. G. Werner, Chicago Molded Products Co., 3650 Dover Place, St. Louis, Mo., and Thomas J. White, T. J. White Plastics Co., 9700 Manchester Ave., Kirkwood, Mo.

Advisory Board: A. G. Werner, Chicago Molded Products Co., 3650 Dover Place, St. Louis, Mo., and George H. Krieger, Spaulding Fibre Co., 3908 Olive St., St. Louis, Mo.

Membership Committee: Fred R. Hearn, 3980 Bowen, St. Louis, Mo.

Publicity Committee: Dan Otto, 5022 Wilshusen, St. Louis, Mo.

Program Committee: John P. Garesche, 2036 Delmar, St. Louis, Mo.

Reception Committee: George Hedge, 2625 Locust, St. Louis, Mo.

Attendance Committee: L. C. Rotter, 5700 Natural Bridge, St. Louis, Mo.

### Toledo Section

President: Paul F. Corbin, Textileather Corp., Stickney & Dayton, Toledo, Ohio.

Vice-President: William Skutch, Peerless Molded Prod. Co., 401 Hamilton, Toledo, Ohio.

Secretary: Earl M. Fisher, Texileather Corp., Stickney & Dayton, Toledo, Ohio.

Treasurer: Paul Mattimoe, Libbey-Owens-Ford Glass Co., 1701 E. Broadway, Toledo, Ohio.

Membership Committee: R. L. Serrick, Toledo Plastics Co., 297 Phillips Ave., Toledo, Ohio.

Publicity Committee: E. J. Sullivan, Owen-Illinois-Glass Co., 1510 Westwood Avenue, Toledo, Ohio.

Program Committee: Quentin Winter, Closure & Plastics Div., Owens-Illinois Glass Co., Plant No. 61, Toledo, Ohio.

Credentials Committee: William Schmid, Owen-Illinois Glass Co., 1510 Westwood Avenue, Toledo, Ohio.

House Committee: A. S. Kassay, Plaskon Division, Libbey-Owens-Ford Glass Co., 2112 Sylvan Ave., Toledo, Ohio.

Technical Committee: Dr. E. H. Balz, Anthony Wayne Research Foundation, Toledo Trust Bldg., Toledo, Ohio.

Finance Committee: E. C. DeSmet, Willys Overland Motors Co., Wolcott Blvd., Toledo, Ohio.

Nominating Committee: E. H. Johnson, Peerless Molding Plastics, 401 Hamilton, Toledo, Ohio.

Board of Directors— Mr. Paul F. Corbin, Mr. W. G. Skutch, Mr. P. T. Mattimoe (New) Mr. E. M. Fisher (New), Mr. J. D. Ryan, Mr. E. H. Johnson, Mr. E. H. Balz, Mr. Purcell DeHan (New), Mr. E. J. Sullivan.

National Advisory Committee Delegates are— (1) Mr. J. M. Ryan, Libbey Owens Ford Glass Company, 1701 East Broadway. (2) Mr. Purcell DeHan, Peerless Molded Plastics Company, 401 Hamilton Street.

## NOBLE SPEAKS TO ACS

Walter Noble of Fabricon Products Co. and member of the Detroit Section S.P.E. spoke before one of the group meetings of the American Chemical Society on the subject of Low Pressure Molding Materials and Techniques at the Horace H. Rackham Memorial in Detroit on March 12, 1946.

## Detroit News

(Continued from Page 2)

tions of Regnault and later in 1872, E. Bauman made the discovery that polymerized vinyl halides were unaffected by solvents or acids; other discoveries were made by Ostromislensky in 1912.

Mr. Houshalter, Program Chairman for the Detroit Rubber & Plastics

Mr. Edward Cunningham

Group arranged to have Ed. Cunningham, a Technical Representative of the Standard Oil Co. of New Jersey speak on the subject of "Butyl—a New Rubber."

Except for recent years, the greatest progress in the search for synthetic rubber was made in the decade preceding the first World War. Prominent groups of chemists in England, Germany and Russia competed with each other; their efforts being largely directed toward the preparation of the necessary dienes from cheap and readily available raw materials.

Butyl Rubber is a hydrocarbon polymer which is obtained as a result of the copolymerization of an olefin and a diolefin. It is said that Butyl Rubber is superior to natural rubber in a great many respects and is applicable in nearly all uses of natural rubber.

Edward Cunningham is well qualified to speak on his selected subject. He majored in Physics at Ohio State University and received his B. S. in 1929. He accepted a position with B. F. Goodrich Rubber Co. in their Research Laboratory immediately after leaving Ohio State and remained with them until 1941 when he became associated with Stanco Distributors, a Division of Standard Oil Co. of New Jersey.

## MIAMI VALLEY

By J. G. Braden

As announced in the last S. P. E. Bulletin, the Miami Valley Section is extending its activities to include interested parties from Cincinnati. In accordance with this program, the February meeting was held at the Mariemont Inn in Cincinnati, and a record attendance of approximately 110 people resulted. It was gratifying to have a majority of the Dayton members attending this meeting also. The cooperation by the Cincinnati group has been very excellent, and the Miami Valley Section wishes to express its appreciation to Carlos Holscher, Nick Backscheider and Fred Rauskolb for their work in connection with this meeting. Mr. Boyer of the Drackett Chemical Company gave a very interesting talk on the structural applications of plastics. He gave excellent examples of structural applications which have been investigated in the manufacture of automobiles and other industries. In addition to Mr. Boyer's talk, Mr. H. R. Husted of the Celanese Plastics Corporation discussed the new plastic—FORTICEL, and listed its physical properties, pointing out its desirability for various applications.

The Miami Valley Section will continue with their proposed larger meetings. Their March meeting was held at the Van Cleve Hotel in Dayton, Ohio, on March 7th. All parties from Cincinnati were cordially invited to attend this meeting. The speakers for this meeting were Mr. George A. Fowles who chose the subject—"Developments and Applications of Vinyl Resins," and Mr. S. L. Brous who discussed KRISTON—a new thermosetting material. Both of these gentlemen are associated with the B F. Goodrich Chemical Company of Cleveland. In addition to the above discussions, there was a showing of the F. J. Stokes Machine Company's film on the automatic molding processes.

## INDIANAPOLIS

By W. O. Gebhart

At the Athenaeum-Turners on February 15, Mr. Milton L. Brummer of the Rohm and Haas Corporation gave a very concise story about Plexiglas.

He discussed free blowing, pressure drawing, cementing, heat welding, swaging and embossing. It is his opinion that the fields of swaging and embossing of Plexiglas are barely touched as yet.

Mr. Brummer made the first public announcement of Plexene, a copolymer of polystyrene and methyl methacrylate.

The meals at the Athenaeum-Turners are 'out of this world."

On March 15, Mr. Montgomery of P. R. Mallory and Company presented "Pyrometric Controls." This meeting has been arranged by Mr. I. P. Scott.

Mr. Wayne S. Burton is planning a discussion on laminates and allied subjects by someone from Cincinnati Industries for April.

## Kilgore Bill

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tions for research activities. In addition, it would consequently control all such activities including the acquisition of any resulting patents. This organization would be headed by a full-time director having complete powers to determine all policies, administer funds, etc., and who would be supported by an advisory board composed of "ex-officio" members from other government agencies.

The Magnuson Bill also provides for Federal aid to scientific research through a National Research Foundation but with a more acceptable form of organization. This Foundation would be controlled by a board composed of non-government scientific persons and laymen of high integrity. Their actions would be administered through a director who would be responsible to the Board. This legislation is along lines of the report by Dr. Vannevar Bush to President Truman last July, which was generally endorsed by the country's leading educators and scientists.

All of the country's national engineering societies have strongly opposed the Kilgore Bill and recommend favorable action on the Magnuson Bill. However, the most recent development in Washington is the introduction of a new Kilgore-Magnuson Bill. I have not received a copy of this Bill, but am advised that it combines most of the objectionable features of the Kilgore Bill with but a few of the good features of the Magnuson Bill.

I expect to have a copy of the new Kilgore-Magnuson Bill within a few days and shall present the matter to the attention of the National Council at their next meeting. I shall report to you any further developments.

Very truly yours,
WILLIAM B. HOEY.

## Martin in Plastics

(Continued from Page 1)

tion, garden hose, hospital sheeting, wrist-watch straps, woven fabrics, handbags, large meteorological-type balloons, tubes of many kinds, serving trays, surgeon's and industrial gloves, "Rubber" heels, and other uses.

The pilot plant was built in Cleveland and many men from Case School of Applied Science participated in the work. They developed manufacturing methods for the large scale production of Marvinol resins, and techniques which will be used to produce the powdered resin.

## N. W. PENN. NEWS

By Paul Roche

The Northwestern Pennsylvania Section of the Society of Plastics Engineers held its February meeting at the Press Club in Erie, Pennsylvania on Thursday, February 28. Following dinner, Mr. Islyn Thomas was presented as the speaker of the evening. Mr. Thomas is President of Thomas Manufacturing Company in Newark and is President of the Newark Section of the Society of Plastics Engineers. Also on the program was Mr. Edward Spitzig, Chief Engineer of the Newark Die Company, Newark, New Jersey, who assisted in the discssion of the evening's subject, "The Advantages and Limitations of Die Hobbing."

The most critical things to be borne in mind, Mr. Thomas emphasized, are (1) the selection of steel for the hob, (2) the selection of steel for the hobbed cavities, and (3) taking care never to overload the hob. The audience was cautioned that the ill-advised choice of the hobbing process has been responsible for much grief, when a conventionally machined cavity should have been used, and vice versa. Moreover, it is always necessary to supplement the hobbing process by machining, either to the extent of putting "the finishing touches" on the cavity or actually incorporating contours not appropriate to hobbing.

All hobbed steel cavities must be pack hardened, the case being about 3/32" thick. It was recommended that no lubricant be used during the process if a high luster is required for the finished cavity, blue vitriol being used as a lubricant when one is required. For the hobbing process itself, draft of .003" per inch per side is recommended for good hob design.

The program for the March meeting has been announced. On March 28 Mr. Harry Reichert of the Machinery Department, Pratt & Whitney Division of the Niles-Bement-Pond Corporation, West Hartford, Connecticut, will address the group. Consistent with the program of the second half of the 1945-1946 season, Mr. Reichert's subject will be "The Automatic Machining of Mold Cavities."

## ST. LOUIS MEETS

The last meeting of the St. Louis Chapter of The Society of Plastics Engineers, held on February 19 at the DeSoto Hotel was very successful. Dr. William Goggin of Dow Chemical Co. was the speaker. His topic "Plastic Development in the Wartime Germany," was well illustrated with slides and color movies, making it very interesting and enjoyable to all. The attendance, a group of about 55, were deeply impressed.